

RAW SEQUENCE LISTING

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Application Serial Number: 10/534,099A
Source: PT
Date Processed by STIC: 7/14/06

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RAW SEQUENCE LISTING DATE: 07/14/2006
 PATENT APPLICATION: US/10/534,099A TIME: 10:18:51

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3 <110> APPLICANT: DE CROMBRUGGHE, BENOIT
 4 AKIYAMA, HARUHIKO
 6 <120> TITLE OF INVENTION: HA4, A NEW OSTEOBLAST- AND CHONDROCYTE-SPECIFIC SMALL
 7 SECRETED PEPTIDE, COMPOSITIONS AND METHODS OF USE
 9 <130> FILE REFERENCE: UTSC:772US
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/534,099A
 12 <141> CURRENT FILING DATE: 2005-05-06
 14 <150> PRIOR APPLICATION NUMBER: PCT/US2003/035139
 15 <151> PRIOR FILING DATE: 2003-11-04
 17 <150> PRIOR APPLICATION NUMBER: 60/423,690
 18 <151> PRIOR FILING DATE: 2002-11-04
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 44 Phe Leu Val Leu Leu Leu Gln Leu Ser Ala Pro Ser Ser Ala Ser
 45 20 25 30
 47 gag aac ccc aag gtg aag caa aaa ggc ctg atc cgg cag agg gag gtg 144
 48 Glu Asn Pro Lys Val Lys Gln Lys Ala Leu Ile Arg Gln Arg Glu Val
 49 35 40 45
 51 gta gac ctg tat aat gga atg tgt cta caa gga cca gca gga gtt ccc 192
 52 Val Asp Leu Tyr Asn Gly Met Cys Leu Gln Gly Pro Ala Gly Val Pro
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 56 Gly Arg Asp Gly Ser Pro Gly Ala Asn Gly Ile Pro Gly Thr Pro Gly
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 59 atc cca ggt cgg gat gga ttc aaa ggg gaa aag gga gaa tgc tta agg 288
 60 Ile Pro Gly Arg Asp Gly Phe Lys Gly Glu Lys Gly Glu Cys Leu Arg
 61 85 90 95
 63 gaa agc ttt gag gag tcc tgg acc cca aac tat aag cag tgt tcg tgg 336

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71 ttc acg aag atg cgc tcc aac agt gct ctg cga gtt ctg ttc agt ggc 432
72 Phe Thr Lys Met Arg Ser Asn Ser Ala Leu Arg Val Leu Phe Ser Gly
73 130 135 140
75 tca ctt cgg ctc aaa tgc agg aat gca tgc tgt cag cgc tgg tat ttt 480
76 Ser Leu Arg Leu Lys Cys Arg Asn Ala Cys Cys Gln Arg Trp Tyr Phe
77 145 150 155 160
79 aca ttt aat gga gct gaa tgt tca gga cct ctt ccc atc gaa gcc atc 528
80 Thr Phe Asn Gly Ala Glu Cys Ser Gly Pro Leu Pro Ile Glu Ala Ile
81 165 170 175
83 atc tat ctg gac caa gga agc cct gag tta aat tca act att aat att 576
84 Ile Tyr Leu Asp Gln Gly Ser Pro Glu Leu Asn Ser Thr Ile Asn Ile
85 180 185 190
87 cat cgt act tcc tct gtg gaa gga ctc tgt gaa ggg att ggt gct gga 624
88 His Arg Thr Ser Ser Val Glu Gly Leu Cys Glu Gly Ile Gly Ala Gly
89 195 200 205
91 ttg gta gat gtg gcc atc tgg gtt ggc acc tgt tca gat tac ccc aaa 672
92 Leu Val Asp Val Ala Ile Trp Val Gly Thr Cys Ser Asp Tyr Pro Lys
93 210 215 220
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 262 ctctttatg ttgggatcca tcccaaggcc agctttaaaag gcaaaactata taaaggctga 6000
 263 tacacagggtc cagaaagtgt tgggttctga gaaatctca gtaacagaag taacagcata 6060
 264 tgagaaaggat tgcgttgcgtt attaggaaca gcacaaactg tgcgttgcgtt cgggttaacag 6120
 265 ttaccaagac ctttacaatcc ccaggcttcc ttcagggtct tgcgttgcgtt tattctttc 6180
 266 ctccattgt ttgtgttttcc atagacttct ttaagggtttaat tattttttt ttttaagga 6240
 267 cctcttagcat acacatatac gctgtttttaa gtttgcgtt tgcgttgcgtt ggggttaata 6300
 268 ctccaggccct gctgttgcgtt gtttgggtttt tgcgttgcgtt gacatctgtt cttggctgt 6360
 269 attgggttgc caggggttgc ctgtgttttcc ccaatgttgcgtt tgcgttgcgtt ctggatgtct 6420
 270 gggaaaaaaca ttgtgttgcgtt gggggggccag ggatctgtat gtttcaactgt 6480
 271 agatgggtgc agaagcagcc tagggctgatg actgggggtt tccactctga gaagcagagg 6540
 272 gagaggtgaa gatctgttgcgtt tgcgttgcgtt gtttgggtttt tgcgttgcgtt 6600
 273 ccaggagggtc ccggctggag ttgggggtgg agggtaggtt gggcaatgt gttggggaaag 6660
 274 ggaattttagg agggggaaatg ctgtgttttcc cccatgttgcgtt ggggttgcgtt tgggttggaaagc 6720
 275 cgctgcaggaa gtttgcgttgcgtt agctcaggat gaaacttaggg attgggttgcgtt ggggttggaaagc 6780
 276 gggaggctgg aggttgcgttcc tccctcttcc tggataggtt gtttgggtttt tgcgttgcgtt 6840
 277 tcagaggttgc ctttcaagagat ttgggggttttcc ttttgcgtt tgcgttgcgtt ggggttggaaagc 6900
 278 caaactatataat ttttgcgttcc ttttgcgttcc ttttgcgttcc ttttgcgttcc ttttgcgttcc 6960
 279 tggcttgcgtt ccaggccctt ccaggccctt ccaggccctt ccaggccctt ccaggccctt ccaggccctt 7020

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/534,099A

DATE: 07/14/2006
TIME: 10:18:52

Input Set : F:\UTSC772US.APP.txt
Output Set: N:\CRF4\07142006\J534099A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 265,1987,2010,2018,2032,2339,2355,2375,2383,2436,2955,2959
Seq#:3; N Pos. 2962,2998,4626,8255,18422,18460,18464,18484,18495,18508
Seq#:3; N Pos. 18520,18524,18560,18570,18571,18576,18591,18594,18610,18613
Seq#:3; N Pos. 18614,18619,18632,18633,18634,18635,18636,18637,18638,18639
Seq#:3; N Pos. 18640,18641,18642,18643,18644,18645,18646,18647,18648,18649
Seq#:3; N Pos. 18650,18651,18652,18653,18654,18655,18656,18657,18658,18659
Seq#:3; N Pos. 18660,18661,18662,18663,18664,18665,18666,18667,18668,18669
Seq#:3; N Pos. 18670,18671,18672,18673,18674,18675,18676,18677,18678,18679
Seq#:3; N Pos. 18680,18681,18682,18683,18684,18685,18686,18687,18688,18689
Seq#:3; N Pos. 18690,18691,18692,18693,18694,18695,18696,18697,18698,18699
Seq#:3; N Pos. 18700,18701,18702,18703,18704,18705,18706,18707,18708,18709
Seq#:3; N Pos. 18710,18711,18712,18713,18714,18715,18723,18735,18855

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/534,099A

DATE: 07/14/2006

TIME: 10:18:52

Input Set : F:\UTSC772US.APP.txt
Output Set: N:\CRF4\07142006\J534099A.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number
L:167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:240
M:341 Repeated in SeqNo=3